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IS 7073-2 (1983): Glossary of terms relating to air cargo pallets and containers, Part 2: Air cargo containers [TED 14: Aircraft and Space Vehicles]



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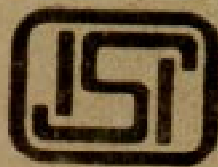
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## *Indian Standard*

# GLOSSARY OF TERMS RELATING TO AIR CARGO PALLETS AND CONTAINERS

## PART II AIR CARGO CONTAINERS

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**INDIAN STANDARDS INSTITUTION**

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*Indian Standard*GLOSSARY OF TERMS RELATING TO AIR  
CARGO PALLETS AND CONTAINERS

## PART II AIR CARGO CONTAINERS

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\*Shri P. R. Chandrasekhar was the chairman for the meeting in which this standard was finalized.

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## *Indian Standard*

# GLOSSARY OF TERMS RELATING TO AIR CARGO PALLETS AND CONTAINERS

## PART II AIR CARGO CONTAINERS

### 0. FOREWORD

**0.1** This Indian Standard ( Part II ) was adopted by the Indian Standards Institution on 30 March 1983, after the draft finalized by the Air Cargo Handling Sectional Committee had been approved by the Marine, Cargo Movement and Packaging Division Council.

**0.2** This standard covers the terms relating to air cargo containers. The terms relating to air cargo pallets are covered in Part I of this standard.

**0.3** In order to facilitate international coordination on the subject, this standard is based on IATA Unit Load Devices Manual published by the International Air Transport Association ( IATA ).

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### 1. SCOPE

**1.1** This standard ( Part II ) defines the basic terms relating to air cargo containers.

### 2. TERMINOLOGY

**2.1 Air Cargo Container** — A structural unit which interfaces directly with aircraft loading and restraint systems and meets all restraint requirements without the use of supplementary equipment.

**2.2 Capacity** — Expression of either internal volume or mass carrying ability.

**2.3 Corner Fittings** — An arrangement of apertures and faces, installed on the top and bottom corners of a container, to provide for compatibility and interchange between transport modes.

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**2.4 Corner Posts** — Vertical post located at the corners of a container, integral with the corner fittings and connecting the roof and floor structures.

**2.5 Design Mass** — The maximum mass that the unit is designed to carry.

**2.6 Dimensions** — The length, width and height measured parallel to each of its axis and expressed in this order. As used herein intended to mean the extreme external measurement of the container.

**2.7 Fibreboard ( Solid or Corrugated )** — A fabricated material used in container manufacture which is made from wood pulp, straw, waste papers, or any combination thereof, pressed and held together to form a semi-rigid board and which may be in solid form consisting of two or more plies glued together, or in corrugated form in which one or more fluted pieces are glued between alternate flat facings. Both types may or may not be lined on one or both faces with laminated paper, metal foil, plastic, kraft or similar paper.

**2.8 Hold** — An area used to contain cargo or unit load devices.

**2.9 Knock-Down** — The capability of a container to be disassembled and its components stacked.

**2.10 Lower Deck** — The compartment below the main deck; normally used in reference to high capacity aircraft.

**2.11 Lower Deck Container** — Unit load device shaped to fit the lower deck of the high capacity aircraft.

**2.12 Main Deck** — The passenger carrying level, or in cargo carrying aircraft the cabin section throughout the fuselage.

**2.13 Side** — The walls of a container which, when loaded in an aircraft, face the port or starboard wall of the fuselage.

**2.14 Stacking** — Placing one unit on top of another, or in multiples, either in a warehouse or in an aircraft, for purposes of saving floor space.

**2.15 Thermal Container** — Freight container built with insulating walls, doors, floor and roof which retards rate of heat transmission between inside and outside of container.

**2.16 Ultimate Load** — The load under which the container exhibits permanent deformation but does not rupture to the extent of discharging cargo.

**2.17 Ultimate Load Factor** — A factor which, when multiplied by the maximum gross mass or the maximum payload, as indicated in the specification, establishes the ultimate load.

**2.18 Unloading** — Removing loaded aircraft unit load devices or bulk cargo from an aircraft.

**2.19 Volume** — The actual cubic capacity of a unit load device based on the external or internal dimensions.

**2.20 Width** — In relation to containers, measured across the aircraft.

# **INDIAN STANDARDS**

## **ON**

### **AIR CARGO HANDLING**

IS :

- 7073 ( Part I )-1973 Glossary of terms relating to air cargo pallets and containers,  
Part I Air cargo pallets
- 7074 ( Part I )-1973 Air cargo pallets, Part I General requirements
- 7917 ( Part I )-1975 Air cargo freight containers, Part I General requirements
- 7917 ( Part II )-1975 Air cargo freight containers, Part II Testing
- 8169 ( Part I )-1976 Air cargo container—main deck container ( 2 438 × 2 438 mm )  
for high capacity air craft, Part I General requirements
- 8169 ( Part II )-1976 Air cargo container—main deck container ( 2 438 × 2 438 mm )  
for high capacity air craft, Part II Testing
- 8396-1978 Air cargo base sandwich panel
- 8589 ( Part I )-1977 Net-assembly to secure cargo on air craft pallets, Part I General  
requirements
- 8762-1978 General requirements and testing of certified half size lower deck  
containers for high capacity aircraft
- 7074 ( Part II )-1978 Air cargo pallets, Part II Testing
- 9753-1981 Tie-down fittings for aircraft net assemblies
- 10195-1982 General requirements for insulated air cargo containers
- 10196-1982 Guidelines for transportation of dead body and cremated remains  
of human beings